## **PCT**

# WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau

### INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> :	A3	(11) International Publication Number:	WO 98/21713
G06F 17/60		(43) International Publication Date:	22 May 1998 (22.05.98)

(21) International Application Number:

PCT/US97/20765

(22) International Filing Date:

14 November 1997 (14.11.97)

(30) Priority Data:

60/030,492

15 November 1996 (15.11.96) US

(71) Applicant (for all designated States except US): 1.2.1. PRE-CISE INFORMATION LLC [US/US]; 134 Charter Oak Drive, New Canaan, CT 06840 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): LEVILLE, Kevin, J. [US/US]; 134 Charter Oak Drive, New Canaan, CT 06840 (US). KLINGENBERG, Tim, P. [US/US]; 12314 East 27th, Spokane, WA 99216 (US). BLYTH, Michael [US/US]; 2311 Central Park, Evanston, IL 60201 (US).
- (74) Agent: FREDERICK, James, R.; Ware, Fressola, Van der Sluys & Adolphson LLP, Bradford Green, Building Five, 755 Main Street, P.O. Box 224, Monroe, CT 06468 (US).

(81) Designated States: AU, CA, JP, MX, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

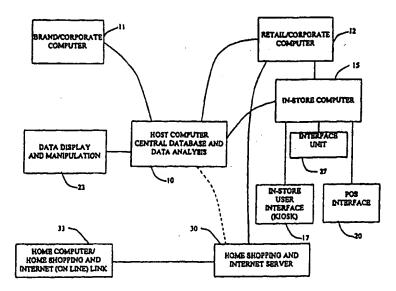
#### Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(88) Date of publication of the international search report: 12 November 1998 (12.11.98)

#### (54) Title: MERCHANDIZING SYSTEM



#### (57)Abstract

A host computer (10), which is used to control point of a merchandising system, is interconnected to a brand corporation computer (11) and an in-store computer (15). Brand corporation computer (11) is used to offer current discounts on products while in-store computer (15) serves as an interface to consumer interface kiosks (17) and in-store points of sale (20). The host computer (10) tracks consumer buying behavior, analyzes the information according to brand and retail criteria, and based on a consumer specific profile offers a consumer specific discounts. When a consumer is specifically identified at a kiosk (17), a customized list of discounts including a "targeted net price" is printed for the consumer, while the new price is automatically applied to the product at the point of sale (20). The consumer's shopping behavior is used to refine the consumer profile and to evaluate the efficacy of the free product sample transaction.



# BEST AVAILABLE COPY

#### FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
M	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
ΑT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
ΑZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	zw	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		•
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CÜ	Cuba	'KZ	Kazakstan	RO	Romania		**
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		

# INTERNATIONAL SEARCH REPORT

International application No. PCT/US97/20765

		İ	·_		
A. CLASSIFICATION OF SUBJECT MATTER  IPC(6) :G06F 17/60 US CL :705/14; 235/383  According to International Patent Classification (IPC) or to both national classification and IPC					
·	LDS SEARCHED				
	locumentation searched (classification system followe	d by classification sym	bols)		
	235/375, 383; 364/400; 705/1, 14; 707/104				
Documenta None	tion searched other than minimum documentation to the	extent that such docum	nents are included	in the fields searched	
Electronic o	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  None				
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevan	nt passages	Relevant to claim No.	
Y	US 3,792,437 A (BLUMENTHAL enabstract.	t al) 12 February	y 1974, see	1-20	
Y	US 4,908,761 A (TAI) 13 March 1990	), see abstract.		1-20	
Y	US 5,380,991 A (VALENCIA et al) 1	0 January 1995,	see abstract.	1-20	
Y,E	US 5,592,560 A (DEATON et al) 07 January 1997, see abstract.			1-20	
Y,E	US 5,621,812 A (DEATON et al) 15	1-20			
Y,E	US 5,642,485 A (DEATON et al) 24.	1-20			
	·				
			t family annex.		
	ner documents are listed in the continuation of Box C			ernational filing date or priority	
"A" do	secial categories of cited documents: seument defining the general state of the art which is not considered be of particular relevance	date and not in the principle or	conflict with the appl theory underlying the	lication but cited to understand invention	
	rlier document published on or after the international filing date	considered nove	el or cannot be conside	e claimed invention cannot be red to involve an inventive step	
cit	neument which may throw doubts on priority claim(s) or which is ted to establish the publication date of another citation or other decial reason (as specified)	when the document of p	ment is taken alone sarticular relevance; th	e claimed invention cannot be step when the document is	
	cument referring to an oral disclosure, use, exhibition or other	combined with	one or more other suci to a person skilled in t	h documents, such combination	
	scument published prior to the international filing date but later than a priority date claimed		ber of the same paten		
Date of the	actual completion of the international search	Date of mailing of the	EP 1998	arch report	
Name and	mailing address of the ISA/US	Authorized officer			
Box PCT	oner of Patents and Trademarks	EDWARD R. CO	OSIMANO		
Facsimile N	n, D.C. 20231 No. (703) 305-3230	Telephone No. (7	03) 308-9783		

### INTERNATIONAL SEARCH REPORT

International application No. PCT/US97/20765

C (Continue	C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
Y,E	US 5,644,723 A (DEATON et al) 01 July 1997, see abstract.	1-20				
Y,E	US 5,649,114 A (DEATON et al) 15 July 1997, see abstract.	1-20				
Y,E	US 5,687,322 A (DEATON et al) 11 November 1997, see abstract.	1-20				
ľ						
ļ						
		••				